

EXHIBIT W

Allocation Analysis for 2022 (TAF)
WY 2022 based on December WSI forecast

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| | 2021 Dec | Jan | Feb | Mar | Apr | May | 2022 Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total (MAF) | Possible Table A % | |
|--|-------------|----------|------|------|-------------------|------|------------------|------|--------------------------------|------|------|------------|------------|----------------|-----------------------|------------|
| 50% Exceedence Moderate OMR | | D | | | SRI = 16.7 | | SVI = 6.5 | | Possible 2022 Table A = | | | | | | 2.425 | 58% |
| Oroville EOM Storage | 1359 | 1752 | 2226 | 2736 | 3077 | 3247 | 3253 | 2685 | 2143 | 1820 | 1714 | 1658 | 1673 | | | |
| Feather R. release (avg. cfs) | 1200 | 960 | 950 | 800 | 1210 | 1070 | 1060 | 9340 | 9380 | 6760 | 2370 | 1760 | 1760 | - | | |
| SWP Banks PP exports | 76 | 79 | 78 | 84 | 40 | 40 | 15 | 408 | 409 | 395 | 150 | 312 | 265 | 2.275 | | |
| <i>Potential South of Delta Art. 21 Water Avail.</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | | |
| SWP San Luis EOM Storage | 517 | 545 | 541 | 519 | 441 | 328 | 101 | 190 | 299 | 465 | 383 | 516 | 609 | - | | |
| SWP Contractor Deliveries | 54 | 65 | 79 | 84 | 106 | 138 | 228 | 304 | 286 | 222 | 230 | 182 | 182 | 2.106 | | |
| 75% Exceedence Moderate OMR | | C | | | SRI = 12.6 | | SVI = 5.1 | | Possible 2022 Table A = | | | | | | 1.076 | |
| Oroville EOM Storage | 1359 | 1595 | 1916 | 2273 | 2465 | 2513 | 2447 | 2116 | 1810 | 1600 | 1504 | 1381 | 1317 | | | |
| Feather R. release (avg. cfs) | 1200 | 940 | 950 | 800 | 1060 | 1070 | 1060 | 4640 | 4640 | 4490 | 1250 | 1240 | 1250 | - | | |
| SWP Banks PP exports | 76 | 84 | 86 | 80 | 16 | 15 | 14 | 157 | 132 | 212 | 17 | 53 | 60 | 0.926 | | |
| <i>Potential South of Delta Art. 21 Water Avail.</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | | |
| SWP San Luis EOM Storage | 517 | 562 | 591 | 588 | 509 | 416 | 305 | 346 | 366 | 491 | 404 | 381 | 358 | - | | |
| SWP Contractor Deliveries | 54 | 52 | 54 | 59 | 83 | 90 | 110 | 99 | 97 | 79 | 101 | 79 | 93 | 0.998 | | |
| 90% Exceedence Moderate OMR | | C | | | SRI = 9.9 | | SVI = 4.3 | | Possible 2022 Table A = | | | | | | 0.556 | 13% |
| Oroville EOM Storage | 1359 | 1530 | 1734 | 1995 | 2137 | 2178 | 2021 | 1743 | 1511 | 1469 | 1379 | 1240 | 1194 | | | |
| Feather R. release (avg. cfs) | 1200 | 940 | 950 | 810 | 1000 | 810 | 2500 | 3880 | 4130 | 2070 | 1770 | 1490 | 960 | - | | |
| SWP Banks PP exports | 76 | 78 | 75 | 79 | 16 | 40 | 14 | 16 | 17 | 16 | 17 | 18 | 113 | 0.499 | | |
| <i>Potential South of Delta Art. 21 Water Avail.</i> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.000 | | |
| SWP San Luis EOM Storage | 517 | 566 | 618 | 655 | 522 | 402 | 263 | 198 | 150 | 132 | 117 | 118 | 225 | - | | |
| SWP Contractor Deliveries | 54 | 40 | 20 | 18 | 135 | 141 | 137 | 65 | 49 | 26 | 28 | 20 | 16 | 0.695 | | |

Assumptions for 2022 Allocation Analysis

Notes:

- SWPAO's initial delivery files: 60% for the 50% Moderate study; 30% for the 75% Moderate study; and 5% for the 90% Moderate study.
- The 90% studies reflect a 50% FRSA delivery pattern; 75% and 50% study reflects a 100% FRSA delivery pattern.
- When Biological Opinions' (BiOp) impacts occur at the export facilities, SWP and CVP will share the available water supply accordingly under the revised COA Article 10(i).

Estimated Delivery in Details

| | (1) '22 Table A | (2) '22-'23 ANTCO | (3) '22 CO & Others | (1+2) 2022 Allocation | (1+3) 2022 Delivery | (1+2+3) Total Water Available for '22 |
|-----------------------------|--------------------|----------------------|------------------------|--------------------------|------------------------|--|
| 50% Exceedence Moderate OMR | 1.984 maf | 0.441 maf | 0.122 maf | 2.425 maf | 2.106 maf | 2.547 maf |
| 75% Exceedence Moderate OMR | 0.860 maf | 0.217 maf | 0.138 maf | 1.076 maf | 0.998 maf | 1.215 maf |
| 90% Exceedence Moderate OMR | 0.548 maf | 0.008 maf | 0.147 maf | 0.556 maf | 0.695 maf | 0.703 maf |

Reservoir Targets

- Lake Oroville storage target = 1.600 MAF

| Exceedence | Possible Table A | Storage Target |
|-----------------------------|------------------|----------------|
| 50% Exceedence Moderate OMR | 58% | 1.600 MAF |
| 75% Exceedence Moderate OMR | 26% | 1.600 MAF |
| 90% Exceedence Moderate OMR | 13% | 1.600 MAF |

- SWP San Luis storage targets for 2022

| Exceedence | Deadpool | Total |
|------------|----------|--------|
| All | 42 taf | 42 taf |

>>>> for the 50% OMR study

| Deadpool | ANTCO, Unscheduled CO & Backed up Water | Required Storage |
|----------|--|------------------|
| Oct-22 | 42 taf | 189 taf |
| Nov-22 | 42 taf | 378 taf |
| Dec-22 | 42 taf | 567 taf |

>>>> for the 75% OMR study

| Deadpool | ANTCO, Unscheduled CO & Backed up Water | Required Storage |
|----------|--|------------------|
| Oct-22 | 42 taf | 105 taf |
| Nov-22 | 42 taf | 211 taf |
| Dec-22 | 42 taf | 316 taf |

>>>> for the 90% OMR study

| Deadpool | ANTCO, Unscheduled CO & Backed up Water | Required Storage |
|----------|--|------------------|
| Oct-22 | 42 taf | 38 taf |
| Nov-22 | 42 taf | 76 taf |
| Dec-22 | 42 taf | 114 taf |

2019 NOAA Fisheries and USFWS Biological Opinions / 2020 DFW Incidental Take Permit Regulatory Requirements

OMR Management

(Targets assumed in accordance with the 2019 NOAA (NMFS) and USFWS Biological Opinions; and the 2020 DFW Incidental Take Permit)

| | Most | Moderate | Least |
|----------------|---|----------|-------|
| January | -1250 | -2500 | -5000 |
| February | -1250 | -2500 | -5000 |
| March | -1250 | -2500 | -5000 |
| April* | SJI Critical WY 1:1, Dry WY 2:1, BN WY 3:1, AN/W WY 4:1 | | |
| May* | SJI Critical WY 1:1, Dry WY 2:1, BN WY 3:1, AN/W WY 4:1 | | |
| June | -1250 | -2500 | -5000 |
| December 1-17 | -2000 | -2000 | -2000 |
| December 18-31 | -2000 | -2000 | -2000 |

In accordance with the 2020 DFW Incidental Take Permit and 2019 NMFS/USFWS BiOp

Summer - Fall Action Plan (Delta Smelt Habitat)

Suisun Marsh Salinity Gate Operation

| | Wet | Above Normal | Below Normal | Dry* | Critical |
|-----|-------|--------------|--------------|--------|----------|
| Jun | | | | | |
| Jul | | | | | |
| Aug | SMSCG | SMSCG | SMSCG | SMSCG* | |
| Sep | | | | | |
| Oct | | | | | |

* SMSCG operations: Following wet/above normal years, assumed July and Aug (60 days); following below normal years, assumed July (30 days)

Fall X2

| | Wet | Above Normal |
|-----|-----|-----------------|
| Sep | | |
| Oct | | Fall X2 < 80 KM |

Delta Outflow Blocks

(Includes Spring Outflow up to 150 TAF and 100 TAF)

| | Wet | Above Normal | Below Normal | Dry | Critical |
|-----|-----|--------------|--------------|-----|----------|
| Apr | | | | | |
| May | | | | | |
| Jun | | | | | |
| Jul | | | | | |
| Aug | | | | | |
| Sep | | | | | |
| Oct | | | | | |

| | Wet | Above Normal | Below Normal | Dry | Critical |
|-----|-----|--------------|--------------|-----|----------|
| Mar | | | | | |
| Apr | | | | | |
| May | | | | | |
| Jun | | | | | |
| Jul | | | | | |
| Aug | | | | | |
| Sep | | | | | |
| Oct | | | | | |